

REMARKS/ARGUMENTS

Claims 1-23 are pending in the application. Claims 1-23 are rejected.

A. 35 U.S.C. § 103

Claims 1-23 are rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Hanson (U.S. Patent No. 6,215,859 B1) in view of Rodriguez et al. (U.S. Patent No. 6,580,784 B2, hereinafter "Rodriguez"). Applicant respectfully traverses the rejection.

Independent claims 1, 8, 15, and 21 recite a method of transmitting and communicating a text message. However, Hanson discloses a method for delivering voice mail. Moreover, the Examiner acknowledges that "Hanson differs from the claims in that it does not specify the message as being a text message" on page 3 of the Office Action.

The Examiner cites Rodriguez as the secondary prior art reference. Rodriguez cannot be used as prior art because the foreign filing date of the present invention antedates the filing date of Rodriguez. Under 37 C.F.R. § 1.55(a)(4), "an English translation of a non-English language foreign application is not required except... when necessary to overcome the date of a reference relied upon by the examiner..." Accordingly, Applicant attaches verified translations of Korea Application No. 67663/2000 (filed November 15, 2000). Applicant further submits that at least claims 1-23 are entitled to a priority date that is prior to Rodriguez's December 4, 2000 filing date. Thus Rodriguez is not prior art as to those claims. Withdrawal of the rejection of claims 1-23 over Rodriguez is respectfully requested.

Amdt. dated January 6, 2004

Reply to Office Action of October 6, 2003

Therefore, for at least foregoing reasons, Applicant respectfully requests that the rejections be withdrawn and independent claims 1, 8, 15, and 21 be allowed. Claims 2-7, 9-14, 16-20 and 22-23 are dependant upon claims 1, 8, 15, and 21, respectively, and are allowable for at least the reasons discussed above, as well as for their additional features. Accordingly, withdrawal of the rejections of claims 1-23 under 35 U.S.C. § 103(a) is respectfully requested.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, Carl R. Wesolowski, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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IN THE MATTER OF
KOREAN PATENT APPLICATION
UNDER SERIAL NO. 67663/2000

I, THE UNDERSIGNED, HEREBY DECLARE :

~~THAT I AM CONVERSANT WITH BOTH THE KOREAN AND THE ENGLISH~~
LANGUAGES : AND

THAT I AM A COMPETENT TRANSLATOR OF THE APPLICATION PAPERS THE
PARTICULARS OF WHICH ARE SET FORTH BELOW :

KOREAN PATENT APPLICATION UNDER
SERIAL NO.: 67663/2000

FILED ON: NOVEMBER 15, 2000

IN THE NAME OF: LG ELECTRONICS INC.

FOR: A DESK HOLDER FOR SPACE SAVING

IN WITNESS WHEREOF, I SET MY HAND HERETO

THIS 22ND DAY OF DECEMBER, 2003

BY

Kim

JIN WON KIM

[Translation]

ABSTRACT OF THE DISCLOSURE

[Abstract]

A method for transmitting one short message to plural recipients' terminals is disclosed. A method for transmitting a short message with a mobile communication terminal includes preparing a short message to be transmitted with a mobile communication terminal and transmitting the short message to a recipient's terminal; checking whether to transmit the short message to another recipient's terminal and inputting another recipient's terminal phone number; and transmitting the short message to a new recipient's terminal whose phone number was inputted. In addition, another method for transmitting a short message with a mobile communication terminal includes preparing a short message to be transmitted with a mobile communication terminal; inputting plural recipients' terminal phone numbers to which the short message will be transmitted; and collectively or individually transmitting the short message to the selected plural recipients' terminals. Accordingly, when a sender intends to transmit an short message to a recipient's terminal and then transmit the short message to other plural recipients' terminals by using the method of the present invention, the message is transmitted to another recipient's terminal by inputting another recipient's terminal number and pressing a "message transmission" button. For this reason, the sender has no need to perform inefficient operations such as inputting a message to be transmitted and a phone number for receiving a reply, etc..

[SPECIFICATION]

[Title of the Invention]

METHOD FOR TRANSMITTING SHORT MESSAGE TO PLURAL RECIPIENTS' TERMINALS

[Brief description of the Drawings]

Figure 1 is an embodiment illustrating a method for transmitting one short message to plural recipients' terminals according to a conventional art; and

Figure 2 is an embodiment illustrating a method for transmitting one short message to plural recipients' terminals according to the present invention.

[Detailed description of the invention]

[Object of the invention]

[Field of the invention and background art]

The present invention relates to a method for transmitting a short message of a mobile communication terminal, and particularly, to a method for transmitting one short message to plural recipients' terminals, by which the short message is transmitted by inputting a recipient's terminal number and commanding transmission, when a sender transmits a short message to a recipient's terminal and then transmits the short message to other plural recipients.

Recently, as the use of mobile communication terminals, such as cellular phones, PCS phones, personal digital assistants (PDAs), etc., increases with the development of mobile communication techniques, diverse additional services using the mobile communication terminal have been developed. As one example, there can be a short message transmitting service. With reference to Figure 1, a conventional method for transmitting a short message will now be described.

As shown in Figure 1, in the conventional method for transmitting a short message, a sender inputs a recipient's terminal phone number and a phone number for receiving a reply (S100), and prepares a short message to be transmitted (S110).

It is determined whether to store the prepared short message (S120). If the sender intends to store the message, he/she presses a "message storage" button to transmit the storage signal to a memory. At this time, the memory receives the storage signal and then stores the short message (S122). Then, the sender selects a message transmission speed (normal/urgent/special) for determining a transmission speed of the prepared short message (S130), and presses a "message transmission" button, to transmit the short message (S140). At this time, the sender terminal receives a response signal from a message transmission center (S150), and thus checks whether the transmission of the short message is completed (S160). As a result of the checking, if the short message was transmitted to the recipient's terminal, the sender terminal displays a message "transmission has been completed" (S170). If the transmission failed, the sender terminal displays a transmission failure signal with checking whether to retransmit the short message (S162). If the sender intends to retransmit the short message, he/she presses a "message transmission" button again, to transmit the short message. When the short message is transmitted through a series of processes, the mobile communication terminal returns to the idle mode (S180).

However, in such a conventional method for transmitting a short message, in case that a short message is transmitted to a recipient's terminal and then is transmitted to other plural recipients' terminals, the sender should repeats the series of processes of selecting a recipient's terminal phone number, a phone number for receiving a reply and a short message; setting a message type (normal/urgent/special); and then transmitting the short message.

[Technical objects of the present invention]

An object of the present invention is to provide a method for transmitting a short message to other recipients' terminals by inputting only a new recipient's terminal phone number after a first message transmission has been completed and then pressing a transmission button when a sender prepares and transmits a short message and then intends to transmit the short message to another recipient's terminal.

[Construction of the present invention]

To achieve an above object, there is provided a method for transmitting a short message with a mobile communication terminal including the steps of: preparing a short message to be transmitted with a mobile communication terminal and transmitting the short message to a recipient's terminal; checking whether to transmit the transmitted short message to another recipient's terminal and inputting another recipient's terminal phone number; and transmitting the short message to the new recipient's terminal whose phone number was inputted.

To achieve an above object, there is provided a method for transmitting a short message using a mobile communication terminal including the steps of: preparing a short message to be transmitted with a mobile communication terminal; inputting plural recipients' terminal phone numbers to which the short message will be transmitted; and collectively or individually transmitting the short message to the selected plural recipients' terminals.

In such case, preferably, the phone number of the recipient's terminal is inputted by being selected from a phonebook stored in a sender's terminal.

In addition, preferably, the phone number of the recipient's terminal is inputted by a short cut corresponding to the phone number.

In addition, preferably, plural recipients' terminal phone numbers to which the

short message will be transmitted are selected, and the short message is collectively or individually transmitted to the selected recipients' terminals.

Hereinafter, a method for transmitting one short message to plural recipients' terminals in accordance with one preferred embodiment of the present invention will now be described with reference to Figure 2.

As shown in Figure 2, the method of transmitting one short message to plural recipients' terminals according to the present invention is as follows.

First, a sender inputs a recipient's terminal number and a phone number of a person who will receive a reply with a sender's terminal (S200). In such case, by implementing a message phone book function in a memory of a mobile communication terminal, a sender can store plural recipients' terminal phone numbers to which the sender intends to transmit a short message.

The sender selects a recipient's terminal phone number by using the stored message phone book. At this time, plural recipients' terminals to which the short message will be transmitted can be selected, and the short message can be simultaneously transmitted to the plural recipients.

In addition, a phonebook of a portable phone which is currently and generally used can be substituted for the message phone book.

In addition, when a new short message is transmitted to a recipient's terminal which has received the abovementioned short message, a button called "abbreviation" is implemented so that, if a sender presses the "abbreviation" button, a recipient's terminal phone number which was inputted right before is withdrawn from the memory. Accordingly, by pressing a button only once, the sender can select the recipient's terminal phone number which was inputted right before.

Then, the sender prepares a short message to be transmitted (S210), and

determined whether to store the short message (S220). If the sender intends to store the prepared short message, he/she presses a “message storage” button to transmit a storage signal to a memory.

At this time, the memory receives the storage signal and stores the short message which the sender intends to store (S222). Then, a message transmission speed (normal/urgent/special) for determining a transmission speed of a short message is determined (S230).

If preparation processes for transmitting the short message are completed as above, the sender presses a “message transmission” button to transmit the prepared short message and a response signal (S240). The sender’s terminal receives a response signal from a message transmission center (S250) and checks whether the transmitted short message has been received in the recipient’s terminal (S260).

In the checking step (S260), if the transmitted short message has been received in the recipient’s terminal, the sender’s terminal displays a message “message transmission completion”.

On the other hand, if the short message has not been transmitted to the recipient’s terminal, the sender’s terminal displays a message “message transmission failure”, giving a chance of retransmission (S262). Then, the sender presses the “message transmission” button again to retransmit the short message to the recipient’s terminal.

When the transmission of the short message is completed, the sender’s terminal displays a message “message transmission completion” together with a message “transmission to new recipient” (S270), to implement an interface which can make a sender transmit the short message to another recipient’s terminal, through a display window.

If the sender intends to transmit the short message to another recipient’s terminal,

he/she selects the "transmission to new recipient". In such case, the sender can transmit the short message only through a process of two steps, "inputting a recipient's terminal phone number" and "message transmission".

That is, the sender inputs another recipient's phone number (S272). At this time, like the step of S200 of inputting the recipient's terminal phone number, the sender can input the recipient's terminal phone number by using a message phone book. Then, the sender presses the "message transmission" button, to transmit the short message to another recipient's terminal.

The foregoing embodiment and advantages are merely exemplary and are not to be constructed as limiting the present invention. The present teaching can be readily applied to other types of apparatuses. The description of the present invention is intended to be illustrative, and not to limit the scope of the claims. Many alternatives, modification, and variations will be apparent to those skilled in the art. In the claims, means-plus-function clauses are intended to cover the structure described herein as performing the recited function and not only structural equivalents but also equivalent structures.

[Effect of the invention]

As so far described, in the present invention, when a sender intends to transmit a short message to a recipient's terminal and then transmit the short message to other plural recipients' terminals, the message is transmitted to other recipients' terminals by inputting other recipients' terminal phone numbers and pressing a "message transmission" button. For this reason, the sender has no need to perform inefficient operations such as inputting a message to be transmitted and a phone number for receiving a reply, etc..

What is claimed is:

1. A method for transmitting one short message to plural recipients' terminal comprising:

preparing a short message to be transmitted with a mobile communication terminal, and transmitting the short message to a recipient's terminal;

checking whether to transmit the transmitted short message to another recipient's terminal and inputting another recipient's terminal phone number; and

transmitting the short message to a new recipient's terminal whose phone number was inputted.

2. The method of claim 1, wherein the recipient's terminal phone number is inputted by being selected from a phone book stored in a sender's terminal.

3. A method for transmitting one short message to plural recipients' terminal comprising:

preparing a short message to be transmitted with a mobile communication terminal;

inputting plural recipients' terminal phone numbers to which the short message will be transmitted; and

collectively or individually transmitting the short message to the selected plural recipients' terminals.

4. The method of claim 3, wherein said inputting the plural recipients' terminal phone numbers comprises selecting recipients' phone numbers from a stored

phonebook.

5. The method of claims 1 or 3, wherein the recipient's terminal phone number is inputted by a short cut corresponding to the phone number.

Figure 1

S100; inputting recipient's number and phone number for receiving reply

S110; preparing message to be transmitted

S120; storing message to be transmitted?

S122; storing message in memory

S130; selecting message type (normal/urgent/special)

S140; transmitting short message, response signal

S150; receiving a response signal

S160; transmission completed?

S162; retransmission?

S170; displaying "transmission has been completed"

S180; returning to idle mode

Figure 2

S200; inputting recipient's number and phone number for receiving reply

S210; preparing message to be transmitted;

S220; storing message to be transmitted?

S222; storing message in memory

S230; selecting message type (normal/urgent/special)

S240; transmitting short message and response signal

S250; receiving response signal

S260; received by recipient's terminal?

S262; retransmission?

S270; transmitting to new recipient?

S272; inputting recipient's phone number

S280; returning to idle mode